

# King County DNRP Water Quality Index

STATION **A319** WATER YEAR **2008**

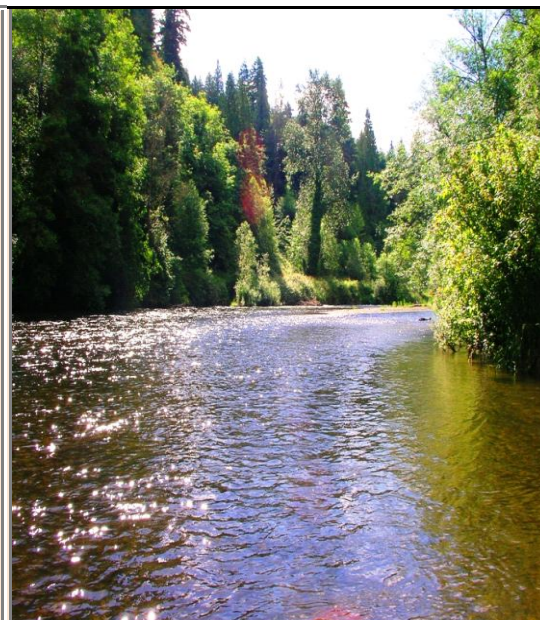
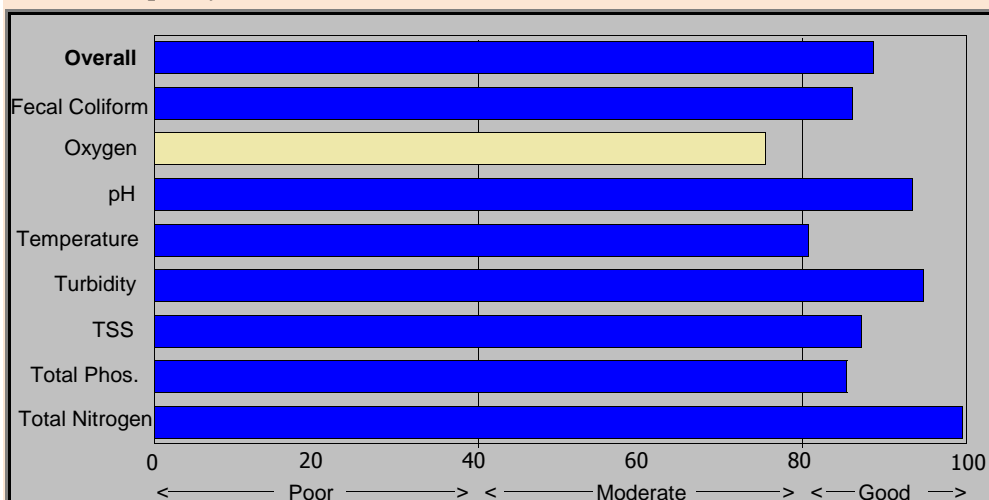
**GAUGE # 40F Green River above Soos Creek**

**Overall Index 89**

King County has monitored water quality in the Green-Duwamish River at five locations. Station A319 is located upstream of the confluence of Soos Creek at the bridge on Black Diamond Road. Sampling occurred from 1976-2008 when budget cutbacks reduced the breadth of King County's water quality monitoring program. The Green-Duwamish runs 93 miles from the crest of the Cascade Mountains to Elliot Bay. Major alterations to the river system have occurred in the last century including the diversion of the White, Black, and Cedar Rivers to alternate discharge points. Anadromous salmonids have been blocked from the upper Green River though the lower river supports coho, Chinook, chum, sockeye, and pink salmon. Land use varies considerably throughout the length of the Green-Duwamish River watershed; land in the Upper Green River is almost entirely used for forest production while development intensity generally increases further downstream.

## Annual Water Quality Index Scores

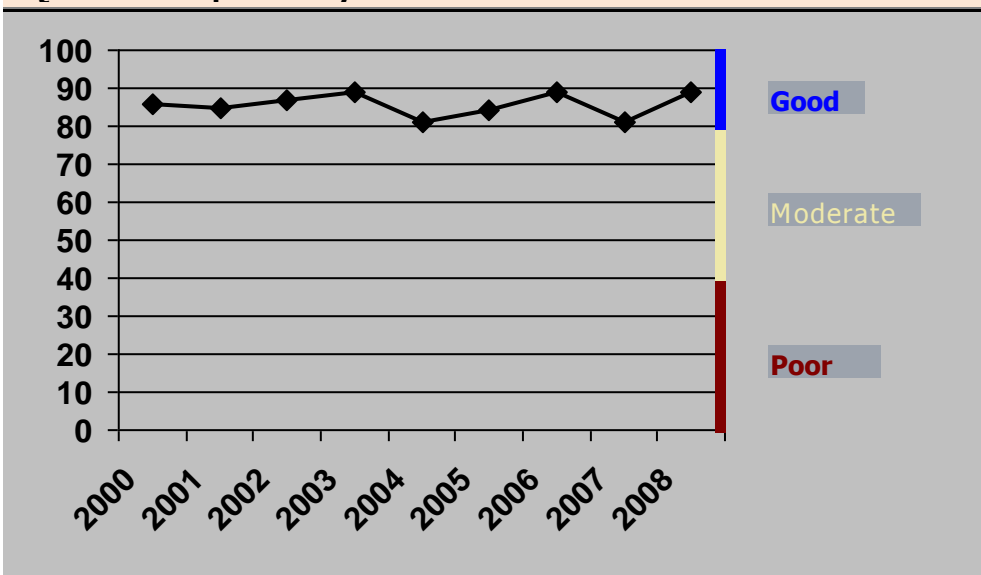
Water quality was GOOD based on data collected 10/1/2007 to 9/30/2008.



## Monthly Scores For Water Year 2008

Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
80	97	96	96	97	98	99	95	94	96	92	96

## WQI Score Comparison By Water Year



## About The Water Quality Index:

The Water Quality Index (WQI) score is a unit-less number ranging from 10 to 100: the higher the number, the higher the water quality. Scores are calculated from data collected during the monthly routine sampling. For temperature, pH, fecal coliform bacteria, turbidity, and dissolved oxygen, the index expresses results relative to levels required to maintain beneficial uses according to criteria in Washington's Water Quality Standards, WAC 173-201A. For nutrient and sediment measures where there are no standard, results are expressed relative to guidelines for this eco-region. Results from the eight parameters are aggregated over time to produce a single score for each sample station. In general, stations scoring 80 and above did not fail water quality standards or guidelines and are of "low concern", scores 40 to 80 indicate "moderate concern", and water quality at stations with scores below 40 are of "high concern". For more information about the WQI please visit <http://green.kingcounty.gov/WLR/Waterres/StreamsData/WQI.aspx>

For more information about this creek please visit our website at <http://green.kingcounty.gov/WLR/Waterres/StreamsData/streamlist.aspx>